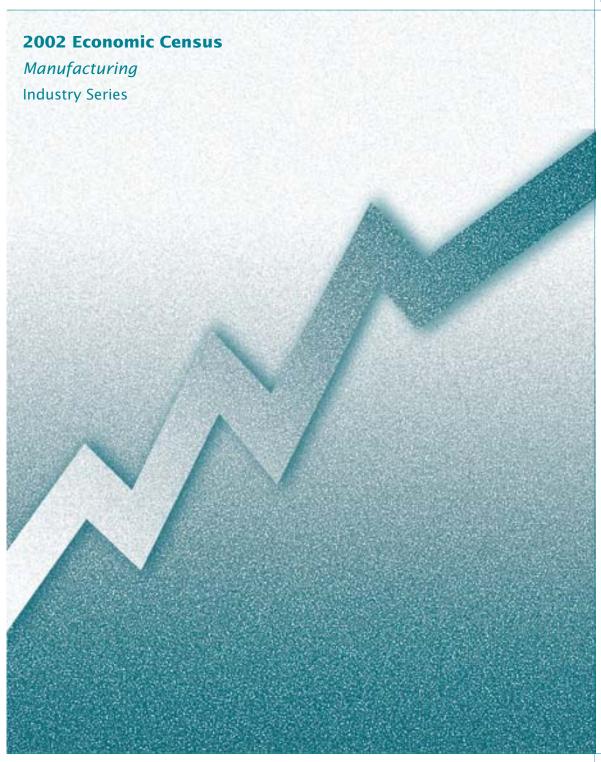
# Other Guided Missile and Space Vehicle Parts and Auxiliary Equipment Manufacturing: 2002

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U.S. Department of Commerce Economics and Statistics Administration U.S. CENSUS BUREAU



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### Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

		All	All employees		Production workers				Total	Total	Total capital
Industry and year <sup>1</sup>	Com- panies <sup>2</sup>	estab- lish- ments <sup>3</sup>	Number <sup>4</sup>	Payroll (\$1,000)	Number <sup>4</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)		expendi- tures (\$1,000)
336419, Other guided missile and space vehicle parts and auxiliary equipment manufacturing	52 N N N N 48	54 N N N N	5 512 6 044 6 068	321 012 277 665 302 118 288 265 303 339 291 438	2 973 4 666	6 017 6 150 9 188 9 637 9 388 8 943	111 151 114 915 211 748 213 031 194 624 187 110	504 443 577 428 613 225	306 040 323 967 316 385 320 169 458 305 395 258	963 824 796 121 839 735 903 811 1 086 089 963 405	20 524 10 517 15 814

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

## Table 2. Industry Statistics for Selected States: 2002

[Not applicable for this report]

### Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
336419, Other guided missile and space vehicle parts and auxiliary equipment manufacturing	
Companies <sup>1</sup> number	52
All establishments <sup>2</sup> number.  Establishments with 1 to 19 employeesnumber.  Establishments with 20 to 99 employeesnumber.  Establishments with 100 employees or morenumber.	54 27 11 16
All employees³       number.         Total compensation       \$1,000.         Annual payroll       \$1,000.         Total fringe benefits       \$1,000.	6 232 415 783 321 012 94 771
Production workers, average for year	2 934 2 999 2 979 2 903 2 842
Production worker hours	6 017 111 151
Total cost of materials         \$1,000.           Materials, parts, containers, packaging, etc., used         \$1,000.           Resales         \$1,000.           Purchased fuels         \$1,000.           Purchased electricity         \$1,000.           Contract work         \$1,000.	306 040 240 332 251 5 225 16 367 43 865
Quantity of electricity purchased for heat and power	311 274 -
Total value of shipments         \$1,000.           Primary products value of shipments         \$1,000.           Secondary products value of shipments         \$1,000.           Total miscellaneous receipts         \$1,000.           Value of resales         \$1,000.           Contract receipts         \$1,000.           Other miscellaneous receipts         \$1,000.	963 824 769 357 D D 314 D D
Primary products specialization ratio percent.  Value of primary products shipments made in all industries \$1,000.  Value of primary products shipments made in this industry \$1,000.  Value of primary products shipments made in other industries \$1,000.	83 2 858 856 769 357 2 089 499
Coverage ratio percent.	27
Value added	684 711
Total inventories, beginning of year       \$1,000.         Finished goods inventories       \$1,000.         Work-in-process inventories       \$1,000.         Materials and supplies inventories       \$1,000.	80 868 13 310 54 613 12 945
Total inventories, end of year \$1,000. Finished goods inventories \$1,000. Work-in-process inventories \$1,000. Materials and supplies inventories \$1,000.	111 050 10 255 84 595 16 200
Gross value of depreciable assets (acquisition costs) at beginning of year \$1,000.  Total capital expenditures (new and used) \$1,000.  Buildings and other structures (new and used) \$1,000.  Machinery and equipment (new and used) \$1,000.  Automobiles, trucks, etc., for highway use \$1,000.  Computers and peripheral data processing equipment \$1,000.  All other expenditures for machinery and equipment \$1,000.  Total retirements \$1,000.  Gross value of depreciable assets at end of year \$1,000.	286 380 17 969 5 019 12 950 496 11 139 11 315 5 803 '298 546
Depreciation charges during year\$1,000	r57 458
Total rental payments	14 856 5 588 9 268
Total other expenses <sup>4</sup> \$1,000.  Response coverage ratio <sup>5</sup> percent.  Repair and maintenance services of buildings and/or machinery <sup>4</sup> \$1,000.  Communications services <sup>4</sup> \$1,000.  Legal services <sup>4</sup> \$1,000.  Accounting, auditing, and bookkeeping services <sup>4</sup> \$1,000.  Advertising and promotional services <sup>4</sup> \$1,000.  Expensed computer hardware and supplies and purchased computer services <sup>4</sup> \$1,000.  Refuse removal (including hazardous waste) services <sup>4</sup> \$1,000.  Management consulting and administrative services <sup>4</sup> \$1,000.  Taxes and license fees <sup>4</sup> \$1,000.  All other expenses <sup>4</sup> \$1,000.	35 663 77 1 399 1 181 1 633 481 1 551 D 1 285 D 1 427 20 241

<sup>1</sup>For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.
2Includes establishments with payroll at any time during the year.
3Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.
4Based on Annual Survey of Manufactures (ASM) sample data.
5A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

### Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

			All emp	oloyees	Pr	oduction worke	rs		Total	Total	Total capital
Employment size class	E¹	All estab- lish- ments <sup>2</sup>	Number <sup>3</sup>	Payroll (\$1,000)	Number <sup>3</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
336419, Other guided missile and space vehicle parts and auxiliary equipment manufacturing											
All establishments	1	54	6 232	321 012	2 934	6 017	111 151	684 711	306 040	963 824	r17 969
1 to 4 employees	9 7 6 - 5 1 - -	14 5 8 5 6 13 1 1	30 35 116 c 474 2 163 e f g -	1 328 1 524 5 608 D 22 864 91 992 D D	25 22 97 D 296 1 241 D D D	44 42 171 D 551 2 623 D D D	1 054 1 180 4 561 D 13 093 40 941 D D D	1 978 2 414 9 039 D 52 740 218 504 D D	1 258 1 295 4 551 D 23 334 140 643 D D	3 236 3 706 13 475 D 75 757 361 764 D D	'71 '178 '267 '302 '1 291 '8 737 D D D
Administrative records <sup>4</sup>	9	19	78	3 962	65	123	3 242	6 024	3 634	9 658	<sup>r</sup> 220

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

¹Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

size classes shown.

### Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All estab- lish- ments <sup>1</sup>	All employees		Production workers				Total	Total	Total capital
			Number <sup>2</sup>	Payroll (\$1,000)	Number <sup>2</sup>	Hours (1,000)	Wages (\$1,000)	Value added (\$1,000)	cost of materials (\$1,000)	value of shipments (\$1,000)	expendi- tures (\$1,000)
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	54	6 232	321 012	2 934	6 017	111 151	684 711	306 040	963 824	r17 969
3364191 3364193	Missile and space vehicle components, parts, and subassemblies	22	5 414	288 739	2 337	4 824	89 586	619 769	263 338	854 593	r15 334
	components	5	437	12 872	274	582	5 651	33 621	20 610	56 099	r1 623

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

<sup>&</sup>lt;sup>1</sup>Includes establishments with payroll at any time during the year.

<sup>2</sup>Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

### Table 6a. Products Statistics: 2002 and 1997

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Duadwat		Number of companies with		Product shipments		
Product code	Product	shipments of \$100,000 or more	Quantity of production for all purposes	Quantity	Value (\$1,000)	
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing	N N	X X	X	2 858 856 2 874 097	
3364191	Missile and space vehicle components, parts, and subassemblies	N N	X	X	2 601 881 2 524 432	
33641911	Missile and space vehicle airframes and space capsules for U.S. Government military customers	N N N	×	×	2 324 432 D 266 391	
3364191101	Missile and space vehicle airframes for U.S. Government military customers	5 8	X	X	D D	
3364191104	Missile and space capsules for U.S. Government military customers	1 3	X	X	D D	
33641912	All other missile and space vehicle components, parts, and subassemblies for U.S. Government military customers	N N	X	X	1 333 458 764 987	
3364191207	All other missile and space vehicle components, parts, and subassemblies for U.S. Government military customers	21 32	X	X	1 333 458 764 987	
33641913	Missile and space vehicle components, parts, and subassemblies for U.S. Government nonmilitary customers	N N	X	X	D 1 228 555	
3364191311	Missile and space vehicle components, parts, and subassemblies for U.S. Government nonmilitary customers	.8	X	×	D	
33641914	Missile and space vehicle components, parts, and subassemblies for other customers	15 N	×	×	1 228 555 218 828	
3364191413	Missile and space vehicle components, parts, and subassemblies for other customers	16 17	X X X	X X X	246 802 218 828 246 802	
3364191Y	Missile and space vehicle components, parts, and subassemblies, nsk	N N	×	×	278 705 17 697	
3364191YWV	Missile and space vehicle components, parts, and subassemblies, nsk	N N	X	X	278 705 17 697	
3364193	Research and development on missile and space vehicle parts and components	N	х	x	205 509	
33641931	Research and development on missile and space vehicle parts and components	N N	X	X X	329 406 204 160	
3364193101	Research and development on missile and space vehicle airframes and space capsules for U.S. Government military customers	N 4	X X	X X	328 305 7 587	
3364193104	Other research and development on missile and space vehicle parts and components for U.S. Government	4	x	X	D	
3364193107	military customers	7 8	X	X	110 647 D	
	parts and components for U.S. Government nonmilitary customers	3 7	X	X	D D	
3364193111	Research and development on missile and space vehicle parts and components for other customers	5 6	X	X	D D	
3364193Y	Research and development on missile and space vehicle parts and components, nsk	N N	X	X	1 349 1 101	
3364193YWV	Research and development on missile and space vehicle parts and components, nsk	N N	X	X	1 349 1 101	
336419W	Other guided missile and space vehicle parts and auxiliary equipment manufacturing, nsk, total	N N	X X	X	51 466 20 259	
336419WY	Other guided missile and space vehicle parts and auxiliary equipment manufacturing, nsk, total	N N	X	X	51 466 20 259	
336419WYWW	Other guided missile and space vehicle parts and auxiliary equipment manufacturing, nsk, for nonadministrative-record establishments	N	х	×	41 808	
336419WYWY	Other guided missile and space vehicle parts and auxiliary equipment manufacturing, nsk, for administrative-record	N N	X	X	6 726	
	establishments	N N	X	X	9 658 13 533	

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

# Table 6b. Product Class Shipments for Selected States: 2002 and 1997 [Not applicable for this report.]

### Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
336419	Other guided missile and space vehicle parts and auxiliary equipment manufacturing		
00900001	Total materials	X	240 332
33641900	Guided missile and space vehicle airframe parts.	×	287 814 D
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components	××	D D
00190070	Resin matrix composits	××	D
00190071	Other matrix composites (including ceramic, carbon, metal, etc.)	x X	ם ס
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products	X	341 1 164
33211101	Iron and steel forgings	X	D
33211201	Nonferrous forgings	X X X	1 579 D
33151001	Iron and steel castings (rough and semifinished)	X X	D D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished)	X	D
33100033	Metal shapes and forms (excluding castings, forgings, and fabricated metal products)	X X X	D D
32500045	Chemicals, all types (including propellants)	X X	112 D
00970099	All other materials and components, parts, containers, and supplies	X	106 522
00971000	Materials, ingredients, containers, and supplies, nsk	X X	111 710 95 193 34 194

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.